

Title (en)

APPARATUS AND METHOD OF MIXING AND DISPENSING A POWDER

Title (de)

VORRICHTUNG UND VERFAHREN ZUM MISCHEN UND DISPERGIEREN VON PULVER

Title (fr)

DISPOSITIF ET PROCEDE PERMETTANT DE MELANGER ET DE DISTRIBUER UNE POUDRE

Publication

EP 1517754 A1 20050330 (EN)

Application

EP 03724191 A 20030422

Priority

- US 0312634 W 20030422
- US 18994602 A 20020703

Abstract (en)

[origin: US2004004903A1] An apparatus and method for mixing and dispensing a powder material in an aqueous solution wherein the powder material is premixed into solution by a spreader. The premix solution is subsequently dispensed in a diluted aqueous stream by a venturi proportioner. In a preferred manner a hopper is provided for the powder material which is partially positioned in a mixing chamber. A valve and spreader are positioned at the base of the hopper.

IPC 1-7

B05B 7/14; **B01F 3/12**

IPC 8 full level

B01F 25/74 (2022.01); **B01J 4/00** (2006.01); **B01J 4/02** (2006.01); **B05B 7/14** (2006.01); **B05B 7/24** (2006.01)

CPC (source: EP US)

B01F 21/10 (2022.01 - EP US); **B01F 25/741** (2022.01 - EP US); **B01F 35/2132** (2022.01 - EP US); **B05B 7/1436** (2013.01 - EP US); **B05B 7/2443** (2013.01 - EP US)

Citation (search report)

See references of WO 2004004919A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2004004903 A1 20040108; AT E311943 T1 20051215; AU 2003235468 A1 20040123; BR 0312261 A 20050426; CA 2490705 A1 20040115; CN 100406129 C 20080730; CN 1668384 A 20050914; DE 60302665 D1 20060112; DE 60302665 T2 20060614; EP 1517754 A1 20050330; EP 1517754 B1 20051207; JP 2005531406 A 20051020; MX PA05000226 A 20050411; NZ 537238 A 20071130; US 2005141339 A1 20050630; US 6966688 B2 20051122; WO 2004004919 A1 20040115

DOCDB simple family (application)

US 18994602 A 20020703; AT 03724191 T 20030422; AU 2003235468 A 20030422; BR 0312261 A 20030422; CA 2490705 A 20030422; CN 03815444 A 20030422; DE 60302665 T 20030422; EP 03724191 A 20030422; JP 2004519532 A 20030422; MX PA05000226 A 20030422; NZ 53723803 A 20030422; US 0312634 W 20030422; US 6432705 A 20050223